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on 17 September 2009.

TOWNSEND and TOWNSEND and CREW LLP

By: /Megan McCoy/
Megan McCoy

PATENT
Docket No.: 082368-007500US
Client Ref. No.: ONC-A0306P2-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Yusuke NAKAMURA et al.

Patent No.: 7,531,300

Issued: May 12, 2009

Application No.: 10/573,297

For: METHOD OF DIAGNOSING
BREAST CANCER

Customer No.: 20350

Confirmation No.: 6847

Examiner: Aeder, Sean E.

Art Unit: 1642

REQUEST FOR CERTIFICATE
OF CORRECTION UNDER §1.323
and §1.322

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

Pursuant to 37 CFR §1.323 Applicant submits a Certificate of Correction correcting minor errors which includes an error inadvertently left uncorrected by Applicant. Specifically, the request under §1.323 is related to the face page of the above-referenced U.S. Patent as described on enclosed form PTO/SB/44.

Pursuant to 37 CFR §1.322 Applicant submits a Certificate of Correction correcting errors within the specification and Sequence Listing attributable solely to the Office. The desired corrections are set described on enclosed form PTO/SB/44 and is accompanied by an Amendment of May 7, 2008 and a Patent Office document dated April 8, 2009 indicating acceptance of the substitute Sequence Listing filed November 13, 2008.

Yusuke NAKAMURA et al.
Application No.: 10/573,297
Page 2

PATENT

Please deduct the fee, pursuant to 37 CFR §1.20(a), of \$100.00 from
Deposit Account 20-1430 and any additional fees associated with this Certificate request.

Respectfully submitted,



Carol P. Johns
Reg. No. 50,463

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: (415) 576-0200
Fax: (415) 576-0300
CPJ:m4m

62219538 v1

Amends ackn by Office

Amendments to the Specification:

lem 2/3/09
Please replace paragraph [0136] of U.S. Patent Publ. No. 20070269432 with the following amended paragraph:

-- The region [A] hybridizes to [A'], and then a loop consisting of region [B] is formed. The loop sequence may be preferably 3 to 23 nucleotide in length. The loop sequence, for example, can be selected from group consisting of following sequences ([http://www. at ambion.com/techlib/tb/tb_506.html](http://www.ambion.com/techlib/tb/tb_506.html)). Furthermore, loop sequence consisting of 23 nucleotides also provides active siRNA (Jacque, J.-M., Triques, K., and Stevenson, M. (2002) Modulation of HIV-1 replication by RNA interference. Nature 418: 435-438.).--

lem 2/3/09
Please replace paragraph [0142] with the following amended paragraph:

-- The nucleotide sequence of suitable siRNAs can be designed using an siRNA design computer program available from the Ambion website ([http://www. at ambion.com/techlib/misc/siRNA_finder.html](http://www.ambion.com/techlib/misc/siRNA_finder.html)). The computer program selects nucleotide sequences for siRNA synthesis based on the following protocol.--

lem 2/3/09
Please replace paragraph [0144] with the following amended paragraph:

-- 2. Compare the potential target sites to the human genome database and eliminate from consideration any target sequences with significant homology to other coding sequences. The homology search can be performed using BLAST, which can be found on the NCBI server at: www.ncbi.nlm.nih.gov/BLAST/.

lem 2/3/09
Please replace paragraph [0197] with the following amended paragraph:

An unsupervised hierarchical clustering method was applied to both genes and tumors. To obtain reproducible clusters for classification of the 102 samples, 710 genes for which valid data were obtained in 80% of the experiments, and whose expression ratios varied by standard deviations

RAW SEQUENCE LISTING

Loaded by SCORE, no errors detected.

Application Serial Number: 10573297 ←

Source: OIPE

Date Processed by SCORE: 4/8/2009 ←

↓
ENTERED

identical to
that filed 11/13/2008

SEQUENCE LISTING

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Katagiri, Toyomasa
Nakatsuru, Shuichi

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VS 2006-3-22

<150> US 60/505,571

<151> 2003-09-24

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neuroepithelium (#937231) clone IMAGE:6436570 3' BRC No. 398
forward primer

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,531,300
APPLICATION NO.: 10/573,297
ISSUE DATE : May 12, 2009
INVENTOR(S) : NAKAMURA et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page:

In the Assignee data (73): Kawasaki-shi should read – Kanagawa –

In the Inventor data (75): Yokohama should read – Tokyo –
Shinagawa-ku should read – Tokyo –

In the Specification:

At column 23, beginning at line 18, (http://www.ambion.com/techlib/misc/siRNA_finder.html) should read
– ([at ambion.com/techlib/misc/siRNA_finder.html](http://www.ambion.com/techlib/misc/siRNA_finder.html)) –

In the Sequence Listing

Please delete the SEQUENCE LISTING and replace it with the attached SEQUENCE LISTING.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, CA 94111-3834

SEQUENCE LISTING

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 Katagiri, Toyomasa
 Nakatsuru, Shuichi

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 No. 456

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 No. 456

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Glu Asp Lys Thr Phe Asp Glu Ser Asp Phe Asp Asp Glu Ala Tyr Tyr
      260        265        270
Ala Ala Leu Gly Thr Arg Pro Pro Ile Asn Met Glu Glu Leu Asp Glu
      275        280        285
Ser Tyr Gln Lys Val Ile Glu Leu Phe Ser Val Cys Thr Asn Glu Asp
      290        295        300
Pro Lys Asp Arg Pro Ser Ala Ala His Ile Val Glu Ala Leu Glu Thr
      305        310        315        320
Asp Val

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<210> 50
<211> 1899
<212> DNA
<213> Homo sapiens

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<220>
<223> T-LAK cell-originated protein kinase (TOPK),
      spermatogenesis-related protein kinase (SPK), PDZ
      binding kinase (PBK), Nori-3, FLJ14385, A7870, BRC
      No. 456

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<220>
<221> CDS
<222> (202)..(1170)
<223> T-LAK cell-originated protein kinase (TOPK)

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gaggtacttg gccacgactt attttcacct ccgacctttc cttccaggcg gtgagactct 180
ggactgagag tggctttcac aatggaaggg atcagtaatt tcaagacacc aagcaaatta 240
tcagaaaaaa agaaatctgt attatgttca actccaacta taaatatccc ggcctctccg 300
tttatgcaga agcttggctt tgggtactgg gtaaattgtg acctaataa aagatctcca 360
agaggtttgt ctcatctctc ttgggctgta aaaaagatta atcctatatg taatgatcat 420
tatcgaagtg tgtatcaaaa gagactaatg gatgaagcta agattttgaa aagccttcat 480
catccaaaca ttgttggtta tcgtgctttt actgaagcca atgatggcag tctgtgtctt 540
gctatggaat atggagggtga aaagtctcta aatgacttaa tagaagaacg atataaagcc 600
agccaagatc cttttccagc agccataatt ttaaaagttg ctttgaatat ggcaagaggg 660

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ttaaagtatc tgcaccaaga aaagaaactg cttcatggag acataaagtc ttcaaagtgt 720
gtaattaaag gcgattttga aacaattaaa atctgtgatg taggagtctc tctaccactg 780
gatgaaaata tgactgtgac tgaccctgag gcttggttaca ttggcacaga gccatggaaa 840
cccaaagaag ctgtggagga gaatggtgtt attactgaca aggcagacat atttgccttt 900
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gcgttgggaa ctaggccacc tattaatatg gaagaactgg atgaatcata ccagaaagta 1080
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aaataactgt ttattccaaa atatttacat agttactatc agtagttatt agactctaaa 1260
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cgctgtaaac tgtaacatta aattgaatga ccattacttt tattaatgat ctttcttaaa 1500
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gaggagaata tgcccaaaaa agagtagctc cttggatact tcagactctg gttacagatt 1680
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1899

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<210> 51
<211> 322
<212> PRT
<213> Homo sapiens

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<220>
<223> T-LAK cell-originated protein kinase (TOPK),
      spermatogenesis-related protein kinase (SPK), PDZ
      binding kinase (PBK), Nori-3, FLJ14385, A7870, BRC
      No. 456

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Lys Lys Ser Val Leu Cys Ser Thr Pro Thr Ile Asn Ile Pro Ala Ser
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Pro Phe Met Gln Lys Leu Gly Phe Gly Thr Gly Val Asn Val Tyr Leu
 35          40          45
Met Lys Arg Ser Pro Arg Gly Leu Ser His Ser Pro Trp Ala Val Lys
 50          55          60
Lys Ile Asn Pro Ile Cys Asn Asp His Tyr Arg Ser Val Tyr Gln Lys
 65          70          75          80
Arg Leu Met Asp Glu Ala Lys Ile Leu Lys Ser Leu His His Pro Asn
 85          90          95
Ile Val Gly Tyr Arg Ala Phe Thr Glu Ala Asn Asp Gly Ser Leu Cys
100         105         110
Leu Ala Met Glu Tyr Gly Gly Glu Lys Ser Leu Asn Asp Leu Ile Glu
115         120         125
Glu Arg Tyr Lys Ala Ser Gln Asp Pro Phe Pro Ala Ala Ile Ile Leu
130         135         140
Lys Val Ala Leu Asn Met Ala Arg Gly Leu Lys Tyr Leu His Gln Glu
145         150         155         160
Lys Lys Leu Leu His Gly Asp Ile Lys Ser Ser Asn Val Val Ile Lys
165         170         175
Gly Asp Phe Glu Thr Ile Lys Ile Cys Asp Val Gly Val Ser Leu Pro
180         185         190
Leu Asp Glu Asn Met Thr Val Thr Asp Pro Glu Ala Cys Tyr Ile Gly
195         200         205

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Thr	Glu	Pro	Trp	Lys	Pro	Lys	Glu	Ala	Val	Glu	Glu	Asn	Gly	Val	Ile
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Thr	Asp	Lys	Ala	Asp	Ile	Phe	Ala	Phe	Gly	Leu	Thr	Leu	Trp	Glu	Met
225					230					235					240
Met	Thr	Leu	Ser	Ile	Pro	His	Ile	Asn	Leu	Ser	Asn	Asp	Asp	Asp	Asp
				245					250					255	
Glu	Asp	Lys	Thr	Phe	Asp	Glu	Ser	Asp	Phe	Asp	Asp	Glu	Ala	Tyr	Tyr
			260					265						270	
Ala	Ala	Leu	Gly	Thr	Arg	Pro	Pro	Ile	Asn	Met	Glu	Glu	Leu	Asp	Glu
		275					280					285			
Ser	Tyr	Gln	Lys	Val	Ile	Glu	Leu	Phe	Ser	Val	Cys	Thr	Asn	Glu	Asp
	290					295					300				
Pro	Lys	Asp	Arg	Pro	Ser	Ala	Ala	His	Ile	Val	Glu	Ala	Leu	Glu	Thr
305					310					315					320
Asp	Val														

<210> 52

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<213> Artificial Sequence

<220>

<223> endoplasmic reticulum retention sequence

<400> 52

Lys Asp Glu Leu

1